



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>G06F 17/60, H04N 7/173</b>	<b>A1</b>	(11) International Publication Number: <b>WO 95/15533</b>
		(43) International Publication Date: 8 June 1995 (08.06.95)

(21) International Application Number: PCT/US94/13820

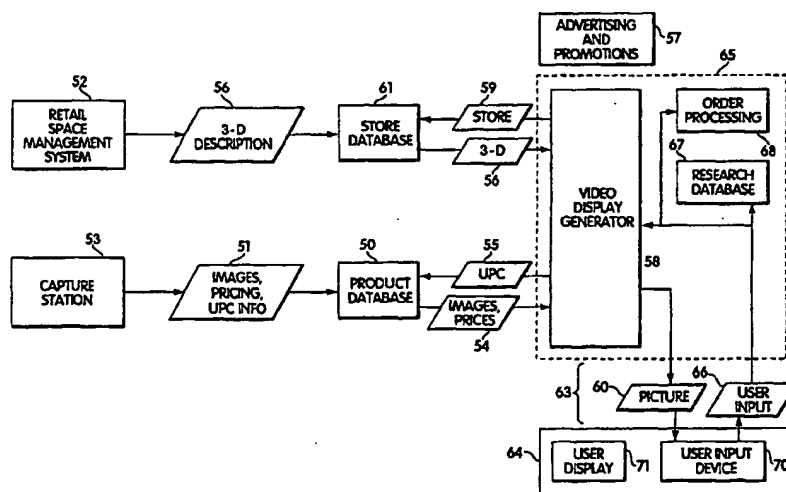
(22) International Filing Date: 30 November 1994 (30.11.94)

(30) Priority Data:  
08/159,335 30 November 1993 (30.11.93) US(71)(72) Applicant and Inventor: BURKE, Raymond, R. [US/US];  
91 Hosmer Street, Acton, MA 01720 (US).(74) Agent: GORDON, Peter, J.; Wolf, Greenfield & Sacks, P.C.,  
600 Atlantic Avenue, Boston, MA 02210 (US).

(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ).

**Published***With international search report.**Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.*

(54) Title: COMPUTER SYSTEM FOR ALLOWING A CONSUMER TO PURCHASE PACKAGED GOODS AT HOME



## (57) Abstract

A system for generating images representative of a store shelf includes a retail space management system for generating information describing product and shelf sizes and locations in three dimensions, and including a code which is unique to each product. The products are typically commodity goods. A product database is used to store images of product packages which are accessible using codes unique to each product. A three-dimensional modeling and display system which takes size and location information from the retail space management system and generates three-dimensional models of each shelf and product and accesses the product database using the codes provided by the retail space management system to obtain images for each product. It generates a display of each product on each shelf by combining the obtained images and the generated three-dimensional models. The consumer may manipulate the display to change what is being viewed, to examine product packages and to purchase products.